BRUHATH BANGALORE MAHANAGARA PALIKE, DASARAHALLI ZONE

Office of the Executive Engineer Dasarahalli Division,

No.BBMP/EE/DD/Ten/01/2015-16, Date:04.01.2016 Indent No.20638

SCHEDULE-B

NAME OF WORK: Drilling of new Borewells with pipeline network at Manjunatha nagara and coconut garden area in Bagalagunte Ward no.14

Sl. No	Description of work	Unit	Qty	Rates Quoted by Contractor JAYANNA		
				In Figures (Rs.)	In Words (Rs.)	Cont. AMOUNT
1	2	3	4	5	6	7
1	Geophysical survey geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the hand pumps, MWS or PWSS by vertical electrical sounding by adopting venner or schlumbergers's method including recconnaisance suevey of geological formation Geophysical investigation of existing ground Water in the vicinity. its quality , quality & acceptability of the users indicating the location of the site recommendeddepth of casing pipe required to seal the tope unconsolidated formation including an extra depth 1.0 metre in consolidated formation for aquire proposed to be tapped propable yield and other information required including transportation of instrument and accessories to work site, engating technical personal and labour etc.complete as per specfication & as per direction of Engineer-in-charge	Each	2	1882.0	Rupees One Thousand Eight Hundred Eighty Two Only	3764.00
2	Sinking of Borewell of 165 mm clear using fast hydraulic rig of capacity 250 PSIG & above 900 CMF & abpve in al strata including over burden upto 22 m fixing of casing pipes, collars and cap with necessary cutting and threading including transporation of rig and surpporting vehicles, screws charges and cost of consumable including yield testing at the final depth with a minimum working of compressor for one hour all as specified 0.00 to 50.00 mtrs complete as per specfication & as per direction of Engineer-in-charge	Rmtr	100	306.0	Rupees Three Hundred Six Only	30600.00
3	50mtr to 100.00 mtr	Rmtr	100	400.0	Rupees Four Hundred Only	40000.00
4	100.00 to 150.00 mtr	Rmtr	100	445.0	Rupees Four Hundred Forty Five Only	44500.00
5	150.00 to 200.00 mtr	Rmtr	100	470.0	Rupees Four Hundred Seventy Only	47000.00

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6	200.00 to 250.00 mtr	Rmtr	100	544.0	Rupees Five Hundred Forty Four Only	5[illegible]400
7	250.00 to 300.00 mtr	Rmtr	100	583.0	Rupees Five Hundred Eighty Three Only	58300.00
8	300.00 to 325.00 mtr	Rmtr	50	622.0	Rupees Six Hundred Twenty Two Only	31100.00
9	Supply of ISI Mark 175mm Nominal bore ,plain end steel Casing pipe- grade of steel Fee 410 of wall thickness 5.4 mm thick confirming to IS 1387/1933 and manufactured by basic open hearth electric or basic oxygen process in random lenth of 5 to 7mtrs. Both ends threaded Confirming to IS 554/1985, One end fixed with a Socket Confirming to IS 4270:2001 and the other end with Screwed pipes . All pipes shall be reasonably free from defectes. The tube shall be reasonably straight should be with ISI marking, weighing 25.10kg/mtr. Casing pipe complete as per specfication & as per direction of Engineer-in-charge	Rmt	80	1325.0	Rupees One Thousand Three Hundred Twenty Five Only	106000.00
10	Additional rate on item No. 2 is allowed for drilling in over burden and folling casing pipes beyond 20mtrs, rate at 15% and beyond 30mtrs 30% on basic rate of Rs.306 is allowed Above 20 mtrs and Upto 30 mtrs at complete as per specfication & as per direction of Engineer-in-charge	Mtrs	20	45.9	Rupees Forty Five and Ninety Paise Only	918.00
11	Providing 175 mm dia MS Collar complete as per specfication & as per direction of Engineer-in-charge	Each	20	150.0	Rupees One Hundred Fifty Only	3000.00

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12	Providing 175 mm dia MS Cap complete as per specfication & as per direction of Engineer-in-charge	Each	2	100.0	Rupees One Hundred Only	200.00
13	Supply and delivery at site brand new Texmo / Innoval / Lubi / Sabar / Atalanta / Calamal / waterman / Radha make suitable vertical installation in 150mm dia. Borewells comprising of single stage or miultistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction mortor suitable for operation of 3Ph., 50Hz. 380/44 volts AC supply fitted with required accessories such as suction. casing, suction strainers, sand guard Non return valve etc., complete the pump and motor shall form an integral unit with all the required fittings 15HP 30 stage Kirloskar, Atlanta, Suguna, CRI & other equipment pump complete as per specfication & as per direction of Engineer-in-charge	No	2	70600.0	Rupees Seventy Thousand Six Hundred Only	141200.00
14	Supplying and Drawing 3 core Flat PVC Shalted Submersible Pump Cable Manufactured with Electrolytic Grade Copper with Flexible copper conductor to table 3 class 5 of IS 8130-1984 and Virgen PVC insulation and Sheeated Suitable for working Voltage Upto 1100 Volts complete as per specfication & as per direction of Engineer-in-charge	Mtrs	1240	159.5	Rupees One Hundred Fifty Nine and Fifty Paise Only	197780.00
15	Supplying and fixing 50mm Non Return Vavle of vertical type of approved make including cost of all materials labour HOM of equipment with all leads complete as per specfication & as per direction of Engineer-in-charge	Nos	2	1145.0	Rupees One Thousand One Hundred Forty Five Only	2290.00
16	Supplying and fixing 50mm GM Gate Vavle complete as per specfication & as per direction of Engineer-in-charge	Nos	2	1600.0	Rupees One Thousand Six Hundred Only	3200.00

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17	Supplying and fixing 175mm Borewell cap with clampset complete as per specfication & as per direction of Engineer-in-charge	Nos	2	500.0	Rupees Five Hundred Only	1000
18	Supplying and fixing 50mm GI Union complete as per specfication & as per direction of Engineer-in-charge	Nos	2	223.7	Rupees Two Hundred Twenty Three and Seventy Paise Only	447.40
19	Supplying and fixing 50mm GI Elbow complete as per specfication & as per direction of Engineer-in-charge	Nos	6	111.8	Rupees One Hundred Eleven and Eighty Paise Only	670.80
20	Supply and delivery at site brand new Texmo / Innoval / Lubi / Sabar / Atalanta / Calamal / waterman / Radha make suitable vertical installation in 150mm dia. Borewells comprising of single stage or miultistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction mortor suitable for operation of 3Ph., 50Hz. 380/44 volts AC supply fitted with required accessories such as suction. casing, suction strainers, sand guard Non return valve etc., complete the pump and motor shall form an integral	nos	2	10000.0	Rupees Ten Thousand Only	20000.00
21	Providing and fixing of 50mm G.I pipe 'C' class heavy duty for erection of submersible pumpset galvanised tube 50mm supply ad delivary of cause heavy duty complete as per specfication & as per direction of Engineer-in-charge	Mtr	580	519.3	Rupees Five Hundred Nineteen and Thirty Paise Only	301194.00
22	Supplying of TPST with rewireable porcelain channels in SM encloser 15/32 amps P-521, Group-Bi-1(b), complete as per specfication & as per direction of Engineer-in-charge	Nos	2	1320.0	Rupees One Thousand Three Hundred Twenty Only	2640.00
23	Supplying and fixing LED Type panel board indicating lamp with required colour suitable for 220 v AC 50Hz 12/24 V DC Group 'B'. P-529, I-35(b), complete as per specfication & as per direction of Engineer-in-charge	Nos	6	385.0	Rupees Three Hundred Eighty Five Only	2310.00
24	Supplying and drawing each PVC insulated 650/100 V grade wire in the conduct (Open or Concealed system of wiring) 7/20 or 7/36 copper wire. complete as per specfication & as per direction of Engineer-in-charge	Nos	20	27.5	Rupees Twenty Seven and Fifty Paise Only	550.00

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5	Supplying, fixing and wiring heavy duty low voltage capacitors confirming to I 2834, 3 PHASE 400/440 Volts grade for power factor improvement of rotating machinery capacitor in KVAR - rating Nos 2 KVAR Capacity P-402, I-34(a), complete as per specfication & as per direction of Engineer-in-charge	Nos	2	385.0	Rupees Three Hundred Eighty Five Only	770.00
26	Supplying and fixing miniature Circuit breakers on existing MCB distribution boards using necessary fixing materials and wiring complete as required P-526, I-13 (P, a),complete as per specfication & as per direction of Engineer-in-charge	Nos	2	880.0	Rupees Eight Hundred Eighty Only	1760.00
27	Supplying, fixing, wiring earth electrode for grounding conduits, LC cutouts and other equipments on the meter board using 40mm dia 2.90mm thick GI pipe 2.50m long buried in a pit. The pit should be filled with equal proportion of solt and charcoal 150mm alround the pipe to complete depth. the connection from the pipe to the conduct etc., is to be established through GI wire of size as per ISI specifications 7.3.3 IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 throught holes of 122mm dia P-552, I-7, complete as per specfication & as per direction of Engineer-in-charge	Nos	2	165.0	Rupees One Hundred Sixty Five Only	330.00
28	Supplying and fixing class A (medium duty) GI pipe wall thickness not less than 3.25mm on pole. complete as per specfication & as per direction of Engineer-in-charge	Nos	20	286.0	Rupees Two Hundred Eighty Six Only	5720.00
29	Supplying and fixing wiring earth electrode for grounding conduits, IC cutouts and other equipments on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 Mtr long buried in a pit,/ the pit should be filled with equal proporation of salt and charocal 150mm alround the pipe to complete depth the connections from the pipe to the conduits etc., is to be established through GI wire of size as per ISI specification 7.3.3 of ISI 732 using 12 mmdia boalts, nuts washers and checknuts etc,. the pipe shall have 16 through holes of 122mm dia complete as per specfication & as per direction of Engineer-in-charge	Nos	2	1650.0	Rupees One Thousand Six Hundred Fifty Only	3300.00
0	Supply 1.1 KV class UG cable from nearest BESCOM pole to panel board including earth work and road restoratio 4 core 16 sqmm.complete as per specfication & as per direction of Engineer-in-charge	Mtrs	60	165.0	Rupees One Hundred Sixty Five Only	9900.00

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31	Labour charges for laying 1.1 KV class UG cable when supplied by agencies in existing trenches GI pipe / stoneware pipe/ on pole as required,complete as per specfication & as per direction of Engineer-in-charge	Mtrs	60	5.5	Rupees Five and Fifty Paise Only	330.0
32	Digging of trench of 0.6m deep x 0.5m wide refilling the trench to the required level and consolidating etc., complete as per specfication & as per direction of Engineer-in-charge	Mtrs	30	44.0	Rupees Forty Four Only	1320.00
33	Supply and fixing LT cast iron pot heads suitable for 1.1 KV class 16 sqmm UG cable filled with neccesary bitumen / insulating compound complete with termiinalas, clamps, bolts, nuts, washers etc., complete as per specfication & as per direction of Engineer-in-charge	Nos	2	264.0	Rupees Two Hundred Sixty Four Only	528.00
34	Supplying and fixing of porcelain fuse channel with cut-out on existing / new wooden panel using neccesary nuts, bolts and washers etc., complete as per specfication & as per direction of Engineer-in-charge	Nos	12	440.0	Rupees Four Hundred Forty Only	5280.00
35	Cutting of road surface for pipeline trenches and disposing of the excavated stuff as directed including barricading, danger lighting etc., in the Asphalt surface road.complete as per specfication & as per direction of Engineer-in-charge	Cum	90	311.64	Rupees Three Hundred Eleven and Sixty Four Paise Only	28047.60
36	Earthwork excavation for foundation of buildings water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. complete as per specfication & as per direction of Engineer-in-charge	Cum	450	259.7	Rupees Two Hundred Fifty Nine and Seventy Paise Only	116865.00
37	Providing and installing at site of work P.V.C pipees including cost of pipes and specials and labour including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour and lift charges, handling charges including encasing the pipe alround to a depth not leass than 15 cms with gravel or selected earth available from the excavation etc., complete PVC pipes of 6kg/Sqm 75mm Dia.complete as per specfication & as per direction of Engineer-in-charge	Rmt	1000	145.07	Rupees One Hundred Forty Five and Seven Paise Only	145070.00

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38	Supplying and fixing 50 mm GI pipes 'B' class heavy quality (As PER bwssb Store Issued Rate) Note:- GI Pipe using for Road crossing places. complete as per specfication & as per direction of Engineer-in-charge	Mtrs	20	325.0	Rupees Three Hundred Twenty Five Only	6500.00
39	Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5m. Including cost of all labour complete as per specification. complete as per specfication & as per direction of Engineer-in-charge	Cum	450	60.48	Rupees Sixty and Forty Eight Paise Only	27216.00
40	Transportation of pumping machineries complete as per specfication & as per direction of Engineer-in-charge	Cum	2	900.0	Rupees Nine Hundred Only	1800.00
41	Erection of Pumping machineries complete as per specfication & as per direction of Engineer-in-charge	Rmt	2	940.0	Rupees Nine Hundred Forty Only	1880.00
					Total	1449680.80
					Percentage	-1.01%

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